

Amendment to the Claims:

The listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for recognizing a curved lane in a road modeling system, the method comprising:

(a) dividing an image processing range into an upper range and a lower range if photographs of lane images are supplied;

(b) modeling straight lines in the two divided image processing ranges respectively, and obtaining a curvature of the lane using the modeled straight lines:
by:

(i) modeling straight lines in the two ranges respectively;
(ii) obtaining a triangle, two sides of which are two modeled lines; and
(iii) calculating a radius of a circumcircle of the triangle and estimating
therewith a curvature of the lane; and wherein

the straight line of the upper range is obtained by connecting a road image
disappearing point and a point centered between two points at which lane edges
intersect a line dividing the image processing range and the straight line of the lower
range is obtained by connecting the point centered between the two points at which
the lane edges intersect the line dividing the image processing range and a point
centered between two points at which lane edges intersect a bottom line of the lower

range, and the triangle is obtained by connecting the road image disappearing point and the two centered points.

2-3. Cancelled (Without disclaimer or prejudice).

4. (Original) The method of claim 1 wherein the curvature of the lane is estimated by an angle between the two modeled straight lines.